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SEQUENCE LISTING

SEQUENCE LISTING														
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agg aag aag cgg aga cag cgt cga aga cct cct caa ggc agt cag act 192 Arg Lys Lys Arg Arg Gln Arg Arg Arg Pro Pro Gln Gly Ser Gln Thr 50 55 60														
cat caa gtt tot cta toa aag caa coo aco too caa too cga ggg gac His Gln Val Ser Leu Ser Lys Gln Pro Thr Ser Gln Ser Arg Gly Asp 65 70 75 80														
ccg aca ggc ccg aag gaa cag aag aag gtg gag aga gag aca gag 288 Pro Thr Gly Pro Lys Glu Gln Lys Lys Lys Val Glu Arg Glu Thr Glu 85 90 95														
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Gln Pro Lys Thr Ala Cys Thr Asn Cys Tyr Cys Lys Lys Cys Cys Phe 25 His Cys Gln Val Cys Phe Ile Thr Lys Ala Leu Gly Ile Ser Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Pro Pro Gln Gly Ser Gln Thr His Gln Val Ser Leu Ser Lys Gln Pro Thr Ser Gln Ser Arg Gly Asp Pro Thr Gly Pro Lys Glu Gln Lys Lys Lys Val Glu Arg Glu Thr Glu Thr Asp Pro Val His Gln 100 <210> 3 <211> 261 <212> DNA <213> Human immunodeficiency virus <220> <221> CDS <222> (1)..(261) atg gag cca gta gat cct cgt cta gag ccc tgg aag cat cca gga agt 48 Met Glu Pro Val Asp Pro Arg Leu Glu Pro Trp Lys His Pro Gly Ser cag cct aaa act gct tgt acc aat tgc tat tgt aaa aag tgt tgc ttt 96 Gln Pro Lys Thr Ala Cys Thr Asn Cys Tyr Cys Lys Lys Cys Cys Phe cat tgc caa gtt tgt ttc ata aca aaa gcc tta ggc atc tcc tac ggc 144 His Cys Gln Val Cys Phe Ile Thr Lys Ala Leu Gly Ile Ser Tyr Gly agg aag aag egg aga eag egt ega aga eet eet eaa gge agt eag aet 192 Arg Lys Lys Arg Arg Gln Arg Arg Pro Pro Gln Gly Ser Gln Thr 50 cat caa gtt tct cta tca aag caa ccc acc tcc caa tcc cga ggg gac 240 His Gln Val Ser Leu Ser Lys Gln Pro Thr Ser Gln Ser Arg Gly Asp 75 80 ccg aca ggc ccg aag gaa tag 261 Pro Thr Gly Pro Lys Glu 85

<210> 4

<211> 86 <212> PRT <213> Human immunodeficiency virus <400> 4 Met Glu Pro Val Asp Pro Arg Leu Glu Pro Trp Lys His Pro Gly Ser Gln Pro Lys Thr Ala Cys Thr Asn Cys Tyr Cys Lys Lys Cys Cys Phe 25 His Cys Gln Val Cys Phe Ile Thr Lys Ala Leu Gly Ile Ser Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Pro Pro Gln Gly Ser Gln Thr His Gln Val Ser Leu Ser Lys Gln Pro Thr Ser Gln Ser Arg Gly Asp 75 Pro Thr Gly Pro Lys Glu <210> 5 <211> 261 <212> DNA <213> Human immunodeficiency virus <220> <221> CDS <222> (1)..(261) <400> 5 atg gag cca gta gat cct aga cta gag ccc tgg aag cat cca gga agt 48 Met Glu Pro Val Asp Pro Arg Leu Glu Pro Trp Lys His Pro Gly Ser cag cct aaa act gct ggt acc aat tgc tat tgt aaa aag tgt tgc ttt 96 Gln Pro Lys Thr Ala Gly Thr Asn Cys Tyr Cys Lys Lys Cys Cys Phe cat tgc caa gtt tgt ttc ata aca aaa gcc tta ggc atc tcc tat ggc 144 His Cys Gln Val Cys Phe Ile Thr Lys Ala Leu Gly Ile Ser Tyr Gly agg aag aag cgg aga cag cga cga aga cct cct caa ggc agt cag act 192 Arg Lys Lys Arg Arg Gln Arg Arg Pro Pro Gln Gly Ser Gln Thr 55 cat caa gtt tct cta tca aag cag ccc acc tcc caa tcc cga ggg gac 240 His Gln Val Ser Leu Ser Lys Gln Pro Thr Ser Gln Ser Arg Gly Asp

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65	70	75	80
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His Cys Gln Val Cys 35	Phe Ile Thr	Lys Ala Leu Gly	Ile Ser Tyr Gly 45
Arg Lys Lys Arg Arg 50	Gln Arg Arg . 55	Arg Pro Pro Gln 60	Gly Ser Gln Thr
His Gln Val Ser Leu 65	Ser Lys Gln 70	Pro Thr Ser Gln 75	Ser Arg Gly Asp 80
Pro Thr Gly Pro Lys	Glu		
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Gln Pro Lys Thr Ala Cys Thr Asn Cys Tyr Cys Lys Lys Cys Cys Phe

cat tgc caa gtt tgt ttc ata aca gct gcc tta ggc atc tcc tat ggc His Cys Gln Val Cys Phe Ile Thr Ala Ala Leu Gly Ile Ser Tyr Gly

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Met Glu Pro Val Asp Pro Arg Leu Glu Pro Trp Lys His Pro Gly Ser

Gln Pro Lys Thr Ala Cys Thr Asn Cys Tyr Cys Lys Lys Cys Cys Phe

His Cys Gln Val Cys Phe Ile Thr Ala Ala Leu Gly Ile Ser Tyr Gly

Arg Lys Lys Arg Arg Gln Arg Arg Pro Pro Gln Gly Ser Gln Thr

His Gln Val Ser Leu Ser Lys Gln Pro Thr Ser Gln Ser Arg Gly Asp 7.5

Pro Thr Gly Pro Lys Glu

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<213> Human immunodeficiency virus

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cag cet aaa act get tgt acc aat tge tat tgt aaa aaq tgt tge ttt 96 Gln Pro Lys Thr Ala Cys Thr Asn Cys Tyr Cys Lys Lys Cys Phe

<210> 10 <211> 83 <212> PRT <213> Human immunodeficiency virus <400> 10

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Gln Pro Lys Thr Ala Cys Thr Asn Cys Tyr Cys Lys Lys Cys Cys Phe 20 25 30

His Cys Gln Val Cys Phe Ile Thr Lys Ala Leu Gly Ile Ser Tyr Gly 35 40 45

Arg Lys Lys Arg Arg Gln Arg Arg Pro Pro Gln Gly Ser Gln Thr 50 55 60

His Gln Val Ser Leu Ser Lys Gln Pro Thr Ser Gln Ser Pro Thr Gly 65 70 75 80

Pro Lys Glu

<400> 11

<210> 11 <211> 252 <212> DNA <213> Human immunodeficiency virus <220> <221> CDS <222> (1)..(252)

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						acc Thr							g	96
						ata Ile							14	14
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		_				aag Lys					_		24	40
_	aag Lys	_	tag										2	52

<210> 12

<211> 83

<212> PRT

<213> Human immunodeficiency virus

<400> 12

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Gln Pro Lys Thr Ala Cys Thr Asn Cys Tyr Cys Lys Lys Cys Cys Phe

His Cys Gln Val Cys Phe Ile Thr Ala Ala Leu Gly Ile Ser Tyr Gly 40

Arg Lys Lys Arg Arg Gln Arg Arg Pro Pro Gln Gly Ser Gln Thr 50 55

His Gln Val Ser Leu Ser Lys Gln Pro Thr Ser Gln Ser Pro Thr Gly 65 70 75

Pro Lys Glu

<210> 13 <211> 306 <212> DNA <213> Human immunodeficiency virus

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cat caa a His Gln A 65		Ile P	_									_	240		
tcg aca g Ser Thr G													288		
aca gat o Thr Asp A	_	_	ag										306		
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Gln Pro T	hr Thr 20	Ala C	ys Asn	Lys	Cys 25	Tyr	Cys	Lys	Lys	Cys 30	Cys	Tyr			
His Cys G	Sln Val 85	Cys P	he Leu	Asn 40	Lys	Gly	Leu	Gly	Ile 45	Ser	Tyr	Gly			
Arg Lys I 50	ys Arg	Arg G	ln Arg 55	Arg	Gly	Thr	Pro	Gln 60	Ser	Ser	Lys	Asp			
His Gln A	Asn Pro		ro Lys	Gln	Pro	Ile	Pro 75	Gln	Thr	Gln	Gly	Val 80			

Ser Thr Gly	Pro	Glu	Glu	Ser	Lys	Lys	Lys	Val	Glu	Ser	Lys	Ala	Glu
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Thr Asp Arg Phe Asp 100

<210> 15

<211> 306

<212> DNA

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<220>

<221> CDS

<222> (1)..(306)

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Met Glu Pro Val Asp Pro Arg Leu Glu Pro Trp Lys His Pro Gly Ser

1 10 15

96

cag cct aag act gct tgt acc aat tgc tat tgt aaa aag tgt tgc ttt
Gln Pro Lys Thr Ala Cys Thr Asn Cys Tyr Cys Lys Lys Cys Cys Phe
20 25 30

cat tgc caa gtt tgt ttc ata aca aaa ggc tta ggc atc tcc tat ggc
His Cys Gln Val Cys Phe Ile Thr Lys Gly Leu Gly Ile Ser Tyr Gly

agg aag aag cgg aga cag cga cga aga gct cct caa gac agt cag act

192
Arg Lys Lys Arg Arg Gln Arg Arg Arg Ala Pro Gln Asp Ser Gln Thr

50

55

60

cat caa gtt tct cta tca aag caa ccc gcc tcc cag ccc cga ggg gac
His Gln Val Ser Leu Ser Lys Gln Pro Ala Ser Gln Pro Arg Gly Asp
65 70 75 80

ccg aca ggc ccg aag gaa tcg aag aag aag gtg gag aga gag aca gag
Pro Thr Gly Pro Lys Glu Ser Lys Lys Lys Val Glu Arg Glu Thr Glu
85 90 95

aca gat ccg gtc gat tag 306
Thr Asp Pro Val Asp
100

<210> 16

<211> 101

<212> PRT

<213> Human immunodeficiency virus

<400> 16

Met Glu Pro Val Asp Pro Arg Leu Glu Pro Trp Lys His Pro Gly Ser 1 5 10 15

Gln Pro Lys Thr Ala Cys Thr Asn Cys Tyr Cys Lys Lys Cys Cys Phe

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	10/21	

•

20 25 30 His Cys Gln Val Cys Phe Ile Thr Lys Gly Leu Gly Ile Ser Tyr Gly 40 Arg Lys Lys Arg Arg Gln Arg Arg Arg Ala Pro Gln Asp Ser Gln Thr His Gln Val Ser Leu Ser Lys Gln Pro Ala Ser Gln Pro Arg Gly Asp 70 Pro Thr Gly Pro Lys Glu Ser Lys Lys Lys Val Glu Arg Glu Thr Glu Thr Asp Pro Val Asp 100 <210> 17 <211> 306 <212> DNA Human immunodeficiency virus <220> <221> CDS <222> (1)..(306)<400> 17 atg gag cca gta gat cct aac cta gag ccc tgg aac cat cca gga agt 48 Met Glu Pro Val Asp Pro Asn Leu Glu Pro Trp Asn His Pro Gly Ser 15 cag cct aaa act gct tgt aat aag tgt tat tgt aaa cac tgt agc tat 96 Gln Pro Lys Thr Ala Cys Asn Lys Cys Tyr Cys Lys His Cys Ser Tyr 20 cat tgt cta gtt tgc ttt cag aca aaa ggc tta ggc att tcc tat ggc 144 His Cys Leu Val Cys Phe Gln Thr Lys Gly Leu Gly Ile Ser Tyr Gly 35 agg aag aag cgg aga cag cga cga agc gct cct cca agc agt gag gat 192 Arg Lys Lys Arg Arg Gln Arg Arg Ser Ala Pro Pro Ser Ser Glu Asp 50 cat caa aat ctt ata tca aag caa ccc tta ccc caa acc caa ggg gac 240 His Gln Asn Leu Ile Ser Lys Gln Pro Leu Pro Gln Thr Gln Gly Asp ccg aca ggc tcg gaa gaa tcg aag aag gtg gag agc aag aca gag 288 Pro Thr Gly Ser Glu Glu Ser Lys Lys Val Glu Ser Lys Thr Glu

306

aca gat cca ttc gat tag Thr Asp Pro Phe Asp

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agg aag aag cgg aga cag cga cga aga cct cct caa ggc ggt cag gct

12/21 Arg Lys Lys Arg Arg Gln Arg Arg Pro Pro Gln Gly Gly Gln Ala 50 cat caa gat cct ata cca aag caa ccc tcc tcc cag ccc cga ggg gac 240 His Gln Asp Pro Ile Pro Lys Gln Pro Ser Ser Gln Pro Arg Gly Asp ccg aca ggc ccg aag gaa tag 261 Pro Thr Gly Pro Lys Glu <210> 20 <211> 86 <212> PRT <213> Human immunodeficiency virus <400> 20 Met Asp Pro Val Asp Pro Asn Leu Glu Pro Trp Asn His Pro Gly Ser Gln Pro Arg Thr Pro Cys Asn Lys Cys Tyr Cys Lys Lys Cys Cys Tyr 20 25 30 His Cys Gln Val Cys Phe Ile Thr Lys Gly Leu Gly Ile Ser Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Pro Pro Gln Gly Gly Gln Ala 50 55 His Gln Asp Pro Ile Pro Lys Gln Pro Ser Ser Gln Pro Arg Gly Asp 70 Pro Thr Gly Pro Lys Glu 85 <210> 21 <211> 306 <212> DNA <213> Human immunodeficiency virus <220> <221> CDS <222> (1)..(306) atg gaa cta gta gat cct aac tta gat ccc tgg aac cat cca qqa aqc 48 Met Glu Leu Val Asp Pro Asn Leu Asp Pro Trp Asn His Pro Gly Ser 1

cag cct aca act cct tgt acc aaa tgc tat tgt aaa agg tgt tgc ttt

Gln Pro Thr Thr Pro Cys Thr Lys Cys Tyr Cys Lys Arg Cys Cys Phe 25

13/21	
cat tgc caa tgg tgc ttt aca acg aag ggc tta ggc atc tcc tat ggc His Cys Gln Trp Cys Phe Thr Thr Lys Gly Leu Gly Ile Ser Tyr Gly 35 40 45	144
agg aag aag cgg aga cag cga cga aga act cct caa agc agt cag ata Arg Lys Lys Arg Arg Gln Arg Arg Arg Thr Pro Gln Ser Ser Gln Ile 50 55 60	192
cat caa gat cct gta cca aag caa ccc tta tcc caa gcc cga ggg aac His Gln Asp Pro Val Pro Lys Gln Pro Leu Ser Gln Ala Arg Gly Asn 65 70 75 80	240
ccg aca ggc ccg aag gaa tcg aag aag gag gtg gag agc aag gca aag Pro Thr Gly Pro Lys Glu Ser Lys Lys Glu Val Glu Ser Lys Ala Lys 85 90 95	288
aca gat ccg tgc gat tag Thr Asp Pro Cys Asp 100	306
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Gln Pro Thr Thr Pro Cys Thr Lys Cys Tyr Cys Lys Arg Cys Cys Phe 20 25 30	
His Cys Gln Trp Cys Phe Thr Thr Lys Gly Leu Gly Ile Ser Tyr Gly 35 40 45	
Arg Lys Lys Arg Arg Gln Arg Arg Arg Thr Pro Gln Ser Ser Gln Ile 50 55 60	
His Gln Asp Pro Val Pro Lys Gln Pro Leu Ser Gln Ala Arg Gly Asn 65 70 75 80	
Pro Thr Gly Pro Lys Glu Ser Lys Lys Glu Val Glu Ser Lys Ala Lys 85 90 95	

Thr Asp Pro Cys Asp 100

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		aaa Lys														96
		caa Gln 35														144
		aag Lys														192
		aat Asn														240
ccg Pro	aca Thr	ggc Gly	ccg Pro	aag Lys 85	gaa Glu	tcg Ser	aag Lys	aag Lys	gag Glu 90	gtg Val	gag Glu	agc Ser	aag Lys	aca Thr 95	gag Glu	288
	_	cca Pro		_	tag											306
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Gln	Pro	Lys	Thr 20	Pro	Cys	Asn	Lys	Cys 25	Tyr	Cys	Lys	Met	Cys 30	Cys	Trp	
His	Cys	Gln 35	Val	Cys	Phe	Leu	Asn 40	Lys	Gly	Leu	Gly	Ile 45	Ser	Tyr	Gly	
Arg	Lys 50	Lys	Arg	Lys	His	Arg 55	Arg	Gly	Thr	Pro	Gln 60	Ser	Ser	Lys	Asp	
His 65	Gln	Asn	Pro	Val	Pro 70	Lys	Gln	Pro	Leu	Pro 75	Thr	Thr	Arg	Gly	Asn 80	

Pro Thr Gly Pro Lys Glu Ser Lys Lys Glu Val Glu Ser Lys Thr Glu 85 90

Thr Asp Pro Phe Asp 100

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cag cct aaa act gct tgt aac aat tgt tat tgt aaa aag tgc tgc tat 1 96 Gln Pro Lys Thr Ala Cys Asn Asn Cys Tyr Cys Lys Lys Cys Cys Tyr

cat tgc caa ttg tgc ttt tta aag aaa ggc tta ggc att tcc tat ggc 144 His Cys Gln Leu Cys Phe Leu Lys Lys Gly Leu Gly Ile Ser Tyr Gly

agg aag aag cgg agc cag cga cga gga act cct gca agt ttg caa gat 192 Arg Lys Lys Arg Ser Gln Arg Arg Gly Thr Pro Ala Ser Leu Gln Asp

cat caa aat cct ata cca aag caa ccc tta tcc cga acc cgc ggg gac 240 His Gln Asn Pro Ile Pro Lys Gln Pro Leu Ser Arg Thr Arg Gly Asp

ccg aca ggc ccg aag gaa tag 261 Pro Thr Gly Pro Lys Glu

<210> 26

<211> 86

<212> PRT

<213> Human immunodeficiency virus

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Gln Pro Lys Thr Ala Cys Asn Asn Cys Tyr Cys Lys Lys Cys Cys Tyr 25 30

His Cys Gln Leu Cys Phe Leu Lys Lys Gly Leu Gly Ile Ser Tyr Gly 35 40 45

Arg Lys Lys Arg Ser Gln Arg Gly Thr Pro Ala Ser Leu Gln Asp 50 55 60

His Gln Asn Pro Ile Pro Lys Gln Pro Leu Ser Arg Thr Arg Gly Asp 65 70 75 80

Pro Thr Gly Pro Lys Glu 85

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<212> DNA

<213> Human immunodeficiency virus

<220>

<221> CDS

<222> (1)..(306)

<400> 27

atg gag ctg gta gat cct aac cta gag ccc tgg aat cat ccg gga agt

Met Glu Leu Val Asp Pro Asn Leu Glu Pro Trp Asn His Pro Gly Ser

1 10 15

cag cct aca act gct tgt agc aag tgt tac tgt aaa ata tgt tgc tgg 96 Gln Pro Thr Thr Ala Cys Ser Lys Cys Tyr Cys Lys Ile Cys Cys Trp

cat tgc caa cta tgc ttt ctg aaa aaa ggc tta ggc atc tcc tat ggc
His Cys Gln Leu Cys Phe Leu Lys Lys Gly Leu Gly Ile Ser Tyr Gly

agg aag cag cag cag cga cga gga act cct cag agc agt aag gat 192
Arg Lys Lys Arg Lys His Arg Arg Gly Thr Pro Gln Ser Ser Lys Asp
50 55 60

cat caa aat cct ata cca gag caa ccc cta ccc atc atc aga ggg aac
His Gln Asn Pro Ile Pro Glu Gln Pro Leu Pro Ile Ile Arg Gly Asn
65 70 75 80

ccg aca gac ccg aaa gaa tcg aag aag gag gtg gcg agc aag gca gag
Pro Thr Asp Pro Lys Glu Ser Lys Lys Glu Val Ala Ser Lys Ala Glu
85 90 95

aca gat ccg tgc gat tag 306
Thr Asp Pro Cys Asp
100

<210> 28

<211> 101

<212> PRT

<213> Human immunodeficiency virus

<400> 28

Met Glu Leu Val Asp Pro Asn Leu Glu Pro Trp Asn His Pro Gly Ser 5

Gln Pro Thr Thr Ala Cys Ser Lys Cys Tyr Cys Lys Ile Cys Cys Trp 25

His Cys Gln Leu Cys Phe Leu Lys Lys Gly Leu Gly Ile Ser Tyr Gly

Arg Lys Lys Arg Lys His Arg Arg Gly Thr Pro Gln Ser Ser Lys Asp

His Gln Asn Pro Ile Pro Glu Gln Pro Leu Pro Ile Ile Arg Gly Asn

Pro Thr Asp Pro Lys Glu Ser Lys Lys Glu Val Ala Ser Lys Ala Glu 90

Thr Asp Pro Cys Asp 100

<210> 29

<211> 306 <212> DNA

<213> Human immunodeficiency virus

<220>

<221> CDS <222> (1)..(306)

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cag cet aca act get tgt age aat tgt tac tgt aaa atg tge tge tgg 96 Gln Pro Thr Thr Ala Cys Ser Asn Cys Tyr Cys Lys Met Cys Cys Trp

cat tgc caa ttg tgc ttt ctg aac aag ggc tta ggc atc tcc tat ggc 144 His Cys Gln Leu Cys Phe Leu Asn Lys Gly Leu Gly Ile Ser Tyr Gly

agg aag cgg aga cgc cga cga gga act cct cag agc cgt cag gat 192 Arg Lys Lys Arg Arg Arg Arg Gly Thr Pro Gln Ser Arg Gln Asp 55

cat caa aat cct gta cca aag caa ccc tta ccc acc acc aga ggg aac 240 His Gln Asn Pro Val Pro Lys Gln Pro Leu Pro Thr Thr Arg Gly Asn 70 75

18/21 ccg aca ggc ccg aaa gaa tcg aag aag gag gtg gcg agc aag aca gag 288 Pro Thr Gly Pro Lys Glu Ser Lys Lys Glu Val Ala Ser Lys Thr Glu 90 85 aca gat ccg tgc gat tag 306 Thr Asp Pro Cys Asp 100 <210> 30 <211> 101 <212> PRT <213> Human immunodeficiency virus <400> 30 Met Glu Pro Val Asp Pro Ser Leu Glu Pro Trp Asn His Pro Gly Ser Gln Pro Thr Thr Ala Cys Ser Asn Cys Tyr Cys Lys Met Cys Cys Trp 25 His Cys Gln Leu Cys Phe Leu Asn Lys Gly Leu Gly Ile Ser Tyr Gly Arg Lys Lys Arg Arg Arg Arg Gly Thr Pro Gln Ser Arg Gln Asp His Gln Asn Pro Val Pro Lys Gln Pro Leu Pro Thr Thr Arg Gly Asn Pro Thr Gly Pro Lys Glu Ser Lys Lys Glu Val Ala Ser Lys Thr Glu Thr Asp Pro Cys Asp 100 <210> 31 <211> 348 <212> DNA <213> Human immunodeficiency virus <220> <221> CDS <222> (1)..(348) <400> 31 atg gat cca gta gat cct gag atg ccc cct tgg cat cac cct gga agt 48 Met Asp Pro Val Asp Pro Glu Met Pro Pro Trp His His Pro Gly Ser

cag ccc cag acc cct tgt aat aag tgc tat tgc aaa aga tgc tgc tat 96 Gln Pro Gln Thr Pro Cys Asn Lys Cys Tyr Cys Lys Arg Cys Cys Tyr

		17

WO 2	2005/0)4899′	7											PCT/	EP2004	I/01242	20	
								19/21										
			20					25					30					
						gca Ala											144	
						cca Pro 55											192	
caa Gln 65	gat Asp	cct Pro	gta Val	cca Pro	gag Glu 70	caa Gln	ccc Pro	cca Pro	tcc Ser	atc Ile 75	acc Thr	aac Asn	agg Arg	aag Lys	cag Gln 80		240	
aaa Lys	cgc Arg	cag Gln	gag Glu	gaa Glu 85	cag Gln	gag Glu	aag Lys	gag Glu	gtg Val 90	gag Glu	aag Lys	gag Glu	aca Thr	ggc Gly 95	cca Pro		288	
ggt Gly	gga Gly	tac Tyr	cct Pro 100	cgc Arg	cgc Arg	aag Lys	gat Asp	tct Ser 105	tgc Cys	cac His	tgt Cys	tgt Cys	aca Thr 110	cgg Arg	acc Thr		336	
	gga Gly	caa Gln 115	taa														348	
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Met 1	Asp	Pro	Val	Asp 5	Pro	Glu	Met	Pro	Pro 10	Trp	His	His	Pro	Gly 15	Ser			
Gln	Pro	Gln	Thr 20	Pro	Cys	Asn	Lys		Tyr		Lys	_	_	Cys	Tyr			
His	Cys	Tyr 35	Val	Cys	Phe	Ala	Ser 40	Lys	Gly	Leu	Gly	Ile 45	Ser	Tyr	Gly			
Arg	Lys 50	Lys	Arg	Arg	Arg	Pro 55	Ala	Ala	Ala	Ala	Ser 60	His	Pro	Asp	Asn			
Gln 65	Asp	Pro	Val	Pro	Glu 70	Gln	Pro	Pro	Ser	Ile 75	Thr	Asn	Arg	Lys	Gln 80			
Lys	Arg	Gln	Glu	Glu 85	Gln	Glu	Lys	Glu	Val 90	Glu	Lys	Glu	Thr	Gly 95	Pro			
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